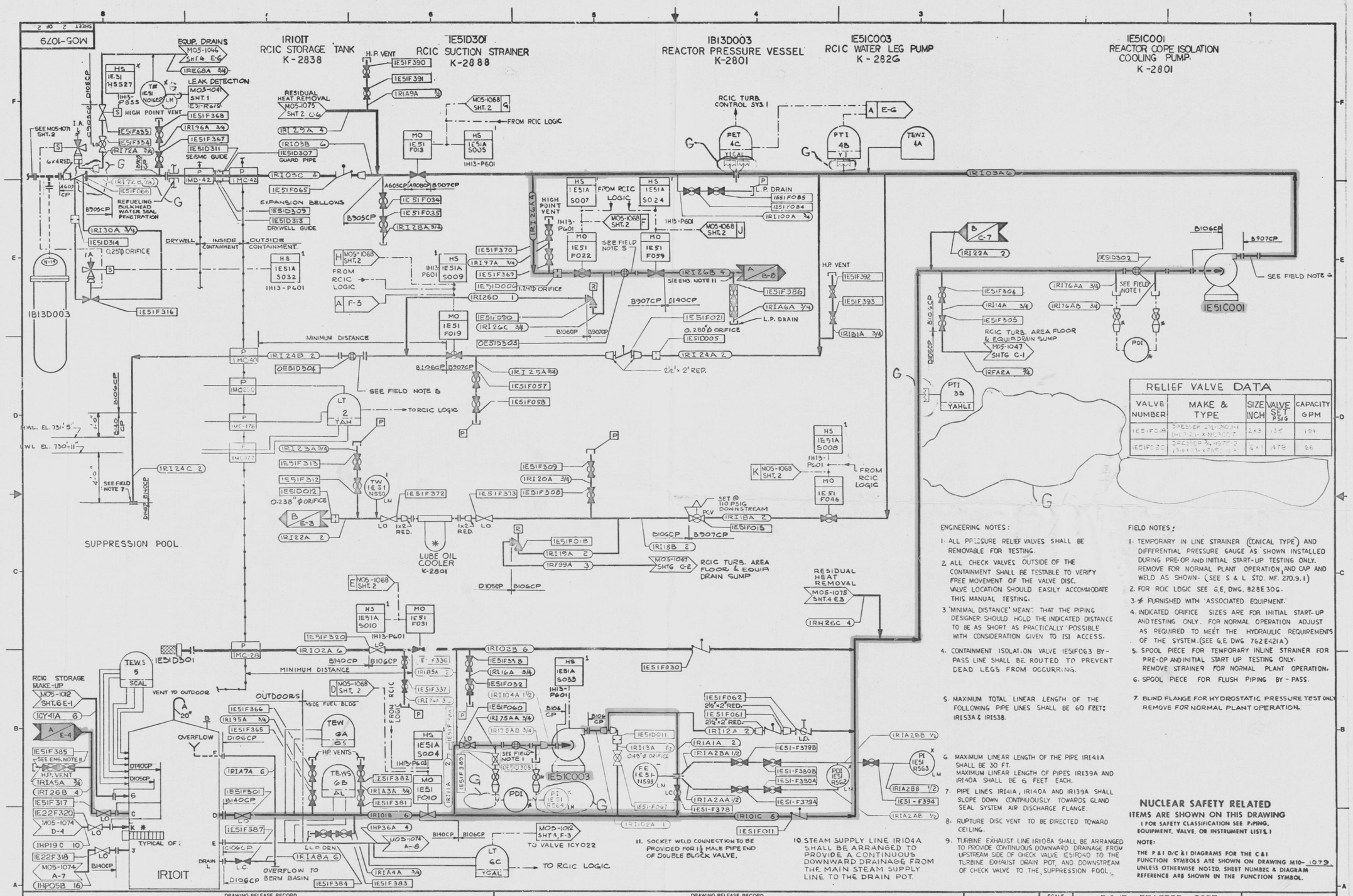

RELIEF VALVE DATA

VALVE NUMBER	MAKE & TYPE	SIZE INCH	VALVE SET PSIG	CAPACITY GPM
1E51F018	DRESSER 3/4-1910-1-1 (1-1-1-2) X NC 3007	2 x 3	135	191
1E51F030	DRESSER 3/4-1979-3 (3-1-1-1) X CAPS-1-2	3/4 x 1	478	66

ENGINEERING NOTES:

1. ALL PRESSURE RELIEF VALVES SHALL BE REMOVABLE FOR TESTING.
2. ALL CHECK VALVES OUTSIDE OF THE CONTAINMENT SHALL BE TESTABLE TO VERIFY FREE MOVEMENT OF THE VALVE DISC. VALVE LOCATION SHOULD EASILY ACCOMMODATE THIS MANUAL TESTING.
3. "MINIMAL DISTANCE" MEANS THAT THE PIPING DESIGNER SHOULD HOLD THE INDICATED DISTANCE TO BE AS SHORT AS PRACTICALLY POSSIBLE WITH CONSIDERATION GIVEN TO ISI ACCESS.
4. CONTAINMENT ISOLATION VALVE 1E51F063 BY-PASS LINE SHALL BE ROUTED TO PREVENT DEAD LEGS FROM OCCURRING.
5. MAXIMUM TOTAL LINEAR LENGTH OF THE FOLLOWING PIPE LINES SHALL BE 60 FEET: 1R153A & 1R153B.
6. MAXIMUM LINEAR LENGTH OF THE PIPE 1R141A SHALL BE 30 FT. MAXIMUM LINEAR LENGTH OF PIPES 1R139A AND 1R140A SHALL BE 6 FEET EACH.
7. PIPE LINES 1R141A, 1R140A AND 1R139A SHALL SLOPE DOWN CONTINUOUSLY TOWARDS GLAND SEAL SYSTEM AIR DISCHARGE FLANGE.
8. RUPTURE DISC VENT TO BE DIRECTED TOWARD CEILING.
9. TURBINE EXHAUST LINE 1R108A SHALL BE ARRANGED TO PROVIDE CONTINUOUS DOWNWARD DRAINAGE FROM UPSTREAM SIDE OF CHECK VALVE 1E51F040 TO THE TURBINE EXHAUST DRAIN POT, AND DOWNSTREAM OF CHECK VALVE TO THE SUPPRESSION POOL.
10. STEAM SUPPLY LINE 1R104A SHALL BE ARRANGED TO PROVIDE A CONTINUOUS DOWNWARD DRAINAGE FROM THE MAIN STEAM SUPPLY LINE TO THE DRAIN POT.
11. SOCKET WELD CONNECTION TO BE PROVIDED FOR 1½ MALE PIPE END OF DOUBLE BLOCK VALVE.

FIELD NOTES:

1. TEMPORARY IN LINE STRAINER (CONICAL TYPE) AND DIFFERENTIAL PRESSURE GAUGE AS SHOWN INSTALLED DURING PRE-OP AND INITIAL START-UP TESTING ONLY. REMOVE FOR NORMAL PLANT OPERATION, AND CAP AND WELD AS SHOWN. (SEE S & L STD. MF. 270.9.1)
2. FOR RCIC LOGIC SEE G.E. DWG. 828E306.
3. * FURNISHED WITH ASSOCIATED EQUIPMENT.
4. INDICATED ORIFICE SIZES ARE FOR INITIAL START-UP AND TESTING ONLY. FOR NORMAL OPERATION ADJUST AS REQUIRED TO MEET THE HYDRAULIC REQUIREMENTS OF THE SYSTEM. (SEE G.E. DWG 762E421A)
5. SPOOL PIECE FOR TEMPORARY INLINE STRAINER FOR PRE-OP AND INITIAL START UP TESTING ONLY. REMOVE STRAINER FOR NORMAL PLANT OPERATION.
6. SPOOL PIECE FOR FLUSH PIPING BY-PASS.
7. BLIND FLANGE FOR HYDROSTATIC PRESSURE TEST ONLY REMOVE FOR NORMAL PLANT OPERATION.

NUCLEAR SAFETY RELATED
ITEMS ARE SHOWN ON THIS DRAWING
(FOR SAFETY CLASSIFICATION SEE PIPING, EQUIPMENT, VALVE, OR INSTRUMENT LISTS.)

NOTE:
THE P & I D/C & I DIAGRAMS FOR THE C & I FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-1079 UNLESS OTHERWISE NOTED. SHEET NUMBER & DIAGRAM REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.

DRAWING RELEASE RECORD

REV.	DATE REL'D.	PREPARED	REVIEWED	APPROVED	PURPOSE	FILM
D	7-12-79	AKN	G.D. Schmale	R.C. Heider	FOR CONSTRUCTION SPEC. K-2882 - DRYWELL, SEISMIC GUIDES AND PDT ADDED (REDRAWN.)	
E	5-22-80		G.D. Schmale	R.C. Heider	FOR CONSTRUCTION SPEC. K-2882	
F	10-28-81		G.D. Schmale	R.C. Heider	FOR CONSTRUCTION SPEC. K-2882 - PIPING REVISED, INSTRUMENTATION ADDED AND EPR-92 & EPR-270 INCORPORATED.	
G	6-15-82		G.D. Schmale	R.C. Heider	REVISED FOR CONSTRUCTION SPEC K-2882 (RELOC INSTR ADDED, SHELOC AND REVISED AND DELETED PIPING.)	

SCALE: NONE
PROJECT NUMBER: 4536

P & ID REACTOR CORE ISOLATION COOLING (RCIC) (RI)
CLINTON POWER STATION UNIT 1
ILLINOIS POWER COMPANY
CLINTON, ILLINOIS

SARGENT & LUNDY ENGINEERS CHICAGO

DRAWING NO. M05-1079 REV. G
SHEET 2 OF 2

Docket #50-400
Control #8209210326
Date 9/16/82 of Document
REGULATORY DOCKET FILE

PRC APERTURE CARD

FOR INFORMATION ONLY

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